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1 A time-and-value centric provenance model and architecture for med
💾 streams
Min Wang, Marion Blount, John Davis, Archan Misra, Daby Sow
June 2007 HealthNet '07: Proceedings of the 1st ACM SIGMOBILE internat
on Systems and networking support for healthcare and assisted
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Publisher: ACM
Full text available: 📄 Pdf (447.56 KB) Additional Information: full citation, abstract, referenc

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Provenance becomes a critical requirement for healthcare IT infrastructu
when pervasive biomedical sensors act as a source of raw medical strea
scale, automated clinical decision support systems. Medical and legal re

Keywords: data streams, medical sensors, provenance

2 An integrated wireless sensing and mobile processing architecture fo
💾 living and healthcare applications
S. Dagtas, Y. Natchetoi, H. Wu
June 2007 HealthNet '07: Proceedings of the 1st ACM SIGMOBILE internat
on Systems and networking support for healthcare and assisted
environments
Publisher: ACM
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In this paper we present a wireless solution for monitoring people in ne
assistance. The application relies on the use of cell phones and inexpen:
and is best suited for the elderly and home-bound people. The main fun

Keywords: ZigBee, elderly care, measurement collection model, mobile
wireless sensors

3 A service oriented architecture for wireless sensor and actor network
Jaco M. Prinsloo, Christian L. Schulz, Derrick G. Kourie, W. H. Morkel Theu
Strauss, Roelf Van Den Heever, Sybrand Grobbelaar
October 2006 SAICSIT '06: Proceedings of the 2006 annual research confe
South African institute of computer scientists and information
on IT research in developing countries

Publisher: South African Institute for Computer Scientists and Information Techno

Full text available: Pdf (228.13 KB) Additional Information: full citation, abstract, referenc

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The emergence of Wireless Sensor and Actor Networks (WSAN) has con
significantly to the progress of ubiquitous and pervasive computing, but
introduced new challenges. The authors researched this technology and
to real-world ...

Keywords: OSGi, management system, service oriented architecture, \
and actor networks

4 Integrating the visualisation reference model with ecological interface
Connor Upton, Gavin Doherty
August 2007 ECCE '07: Proceedings of the 14th European conference on Cc
ergonomics: invent! explore!
Publisher: ACM
Full text available: Pdf (523.83 KB) Additional Information: full citation, abstract, referenc

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 31, Citation (

Motivation -- In some situations EID's high-level visual design principle
difficult to apply. A more concrete design methodology would make the
more accessible for interface designers. Research approach -- Graphic

Keywords: ecological interface design, task models, visualisation

5 Shadow configuration as a network management primitive
Richard Alimi, Ye Wang, Y. Richard Yang
August 2008 SIGCOMM '08: Proceedings of the ACM SIGCOMM 2008 confe
communication
Publisher: ACM
Full text available: Pdf (1.05 MB) Additional Information: full citation, abstract, referenc

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 164, Citatio

Configurations for today's IP networks are becoming increasingly compl
configuration management is becoming a major cost factor for network
configuration errors are becoming a major cause of network disruptions

Keywords: network diagnostics, network management

Also published in:
October 2008 SIGCOMM Computer Communication Review Volume 38 Issue

6 On the relative importance of privacy guidelines for ambient health c
Evelien van de Garde-Perik, Panos Markopoulos, Boris de Ruyter
October 2006 NordiCHI '06: Proceedings of the 4th Nordic conference on F
computer interaction: changing roles
Publisher: ACM
Full text available:

📄 Pdf (340.01 KB) Additional Information: full citation, abstract, referenc

Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 92,   Citation (

We present an empirical study regarding the relative importance of com privacy related guidelines in the context of a Health Monitoring System. were confronted with text scenarios describing privacy related aspects c

Keywords: ambient intelligence, fair information practices, privacy gui

7 Safe automatic flight back and landing of aircraft flight reconfiguratio (FRF)

Juan Alberto Herreria Garcia
March 2008 DATE '08: Proceedings of the conference on Design, automatic Europe
Publisher: ACM
Full text available: 📄 Pdf (302.07 KB) Additional Information: full citation, abstract, referenc

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 12,   Citation (

SOFIA (Safe Automatic Flight Back and Landing of Aircraft) project is a challenge of developing concepts and techniques enabling the safe and return to ground in the event of hostile actions. Activities in this sense h

8 Living assistance systems: an ambient intelligence approach

Jürgen Nehmer, Martin Becker, Arthur Karshmer, Rosemarie Lamm
May 2006 ICSE '06: Proceedings of the 28th international conference on S engineering
Publisher: ACM
Full text available: 📄 Pdf (587.72 KB) Additional Information: full citation, abstract, referenc

Bibliometrics: Downloads (6 Weeks): 50,   Downloads (12 Months): 364,   Citatio

In this paper, we present an integrated system concept for the living as domain based on ambient intelligence technology and discuss the result for the software engineering discipline. Automated living assistance syst represent ...

Keywords: adaptivity, ambient intelligence, assisted living, elderly car systems

9 Requirements and design spaces of mobile medical care

Prajakta Kulkarni, Yusuf Öztürk
July 2007 SIGMOBILE Mobile Computing and Communications Reviev Issue 3
Publisher: ACM
Full text available: 📄 Pdf (746.73 KB) Additional Information: full citation, abstract, referenc

Bibliometrics: Downloads (6 Weeks): 61,   Downloads (12 Months): 725,   Citatio

Pervasive care and chronic disease management to reduce institutionali priority for most western countries. The realization of next generation u pervasive healthcare systems will be a challenging task, as these system

10 Simplifying home health monitoring by incorporating a cell phone in :
◆　　Thomas G. Zimmerman, Keng-hao Chang
　　July 2008 PETRA '08: Proceedings of the 1st international conference on P
　　　　　　　Technologies Related to Assistive Environments
　　Publisher: ACM
　　Full text available: 📄 Pdf (362.27 KB) Additional Information: full citation, abstract, referenc

　　Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 26, Citation

　　　　The overweight under-exercised aging baby-boom generation is creatin;
　　　　of chronic diseases that is placing a tremendous burden on the health c;
　　　　Frequent monitoring and contact between a patient and health care pro
　　　　help ...

　　　　Keywords: cell phone, chronic disease management, embedded system
　　　　monitoring, wireless

11 Power efficient multi-band contextual activity monitoring for assistive
◆　　A. L. Praveen Aroul, Achutan Manohar, Dinesh Bhatia, Leonardo Estevez
　　July 2008 PETRA '08: Proceedings of the 1st international conference on P
　　　　　　　Technologies Related to Assistive Environments
　　Publisher: ACM
　　Full text available: 📄 Pdf (483.55 KB) Additional Information: full citation, abstract, referenc

　　Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 38, Citation

　　　　The advancement in technology for patient monitoring and smart living
　　　　is making a huge impact on providing health care for the elderly and ne
　　　　An energy efficient context aware system for sensing and reporting eve

　　　　Keywords: RFID, ZigBee, battery life, contextual sensing, low power R
　　　　monitoring, tele-medicine, wireless sensor network